Parallel-Shift Sensitivity Analysis for HLB-Option and Knockout Advances

The Federal Home Loan Bank of Boston (Bank) is providing estimated valuations of the specific HLB-Option and Knockout advances set forth below for members' information and convenience only. The estimated valuations are generated by models obtained from external sources which are used for the Bank's own asset/liability management purposes. The models include the use of specific assumptions, for example, market volatility and discount curve adjusted for the Bank's spread, to estimate the value of the advance. The valuations represent theoretical market values only and should not be construed as a liquidation price for the HLB-Option or Knockout advance.

It is expressly understood that in providing this valuation information to members, the Bank is not performing any advisory service. The valuations are being provided without representation or warranty and the member shall be solely responsible for any decision it makes or actions it takes based on the valuations provided. It is recommended that institutions maintain independent capabilities to value their asset/liability positions, including HLB-Option and Knockout advances.

The table depicts valuation estimates resulting from immediate parallel interest-rate movements of plus/minus 400 basis points in 100 basis point increments. In order to rule out negative interest rates, our model applies an effective floor of plus ten basis points to the yield curve for all down-rate scenarios. As a result, large down-rate shocks will reflect valuation at the floor rate of ten basis points in place of any negative interest rates that would otherwise be produced by the indicated basis point shocks. Please note that the valuation estimates are from the Federal Home Loan Bank of Boston's perspective. Since the advance is held by the member as a liability, positive price changes in the table correspond to the advance having a negative impact on the member's estimated market value of portfolio equity (and vice versa). The theoretical argument follows that as interest rates rise, the value of the advance to the Bank falls. In the case of an HLB-Option advance, the Bank would be likely to exercise its option to cancel the advance as the value falls below 100. In the case of a Knockout advance, the Bank would automatically terminate the advance on any specified cancellation date if LIBOR is equal to or greater than a predetermined "strike rate" four London Business days prior to the scheduled cancellation date. In either case, the member's cost to prepay the advance increases as interest rates fall.

To identify your advance, locate the appropriate maturity date and then verify the coupon rate. The report is sorted in ascending order by start date, followed by coupon. Once the appropriate structure is determined, read across to view the sensitivity analysis that has been performed on the advance.

If you have any questions or would like further explanation of this analysis, contact the Money Desk at 1-800-357-3452.

As of: 4/30/2008 **Parallel-Shift Sensitivity Analysis for HLB-Option and Knockout Advances**

Start Date	Maturity Date	Next Call Date	Coupon	-300	-200	-100	Base	+100	+200	+300	+400
2/27/1997	2/27/2012	5/27/2008	6.580	123.2840	119.1408	115.1513	111.3759	107.9230	104.9477	102.6045	100.9957
4/8/1998	4/8/2013	7/8/2008	5.490	122.9056	117.5888	112.7233	108.4412	104.9305	102.3411	100.7325	99.9943
5/6/1998	5/6/2008	5/6/2008	5.790	100.0965	100.0957	100.0790	100.0623	100.0456	100.0289	100.0122	99.9956
5/8/1998	5/8/2008	5/8/2008	5.520	100.1227	100.1216	100.0993	100.0770	100.0548	100.0325	100.0103	99.9881
6/1/1998	6/4/2008	6/2/2008	5.520	100.5367	100.5275	100.4327	100.3382	100.2441	100.1502	100.0567	99.9636
6/16/1998	6/16/2008	6/16/2008	5.470	100.7141	100.7034	100.5750	100.4471	100.3196	100.1924	100.0657	99.9396
6/16/1998	6/16/2008	6/16/2008	5.700	100.7442	100.7334	100.6050	100.4770	100.3496	100.2223	100.0956	99.9694
6/24/1998	6/24/2008	6/24/2008	5.450	100.8326	100.8209	100.6701	100.5199	100.3702	100.2209	100.0721	99.9240
7/31/1998	7/30/2008	7/30/2008	5.390	101.3625	101.3360	101.0818	100.8288	100.5771	100.3266	100.0774	99.9240
7/31/1998	7/30/2008	7/30/2008	5.610	101.4181	101.3917	101.1373	100.8842	100.6324	100.3818	100.1325	99.9240
8/19/1998	8/19/2013	5/19/2008	5.490	124.1178	118.4552	113.2941	108.7986	105.1439	102.4559	100.7740	100.0757
8/19/1998	8/19/2013	5/19/2008	5.490	124.1178	118.4552	113.2941	108.7986	105.1439	102.4559	100.7740	100.0757
8/25/1998	8/19/2013	7/25/2008	5.490	124.1178	118.4551	113.2923	108.7968	105.1410	102.4513	100.7715	100.0757
8/27/1998	8/19/2013	7/28/2008	5.490	124.1178	118.4551	113.2923	108.7968	105.1410	102.4513	100.7715	100.0757
9/30/1998	9/30/2013	6/30/2008	5.220	123.0956	117.3997	112.2283	107.8028	104.3069	101.8478	100.4388	99.8852
10/30/1998	10/30/2008	10/30/2003	4.990	102.5366	102.4119	101.9000	101.3932	100.8915	100.3947	99.9028	99.4159
11/25/1998	11/25/2008	11/25/2003	5.200	103.0189	102.8450	102.2628	101.6872	101.1184	100.5560	99.8974	99.4505
12/14/1998	12/16/2013	6/16/2008	4.890	121.7065	115.8582	110.7097	106.4485	103.2381	101.1575	100.1674	99.8662
12/14/1998	12/16/2013	12/15/2008	5.390	124.5096	118.5365	113.1720	108.5731	104.8960	102.2468	100.5829	99.5913
12/15/1998	12/16/2013	6/16/2008	4.880	121.6504	115.8048	110.6612	106.4075	103.2079	101.1392	100.1603	99.8644
1/15/1999	1/15/2009	1/15/2004	5.160	103.7267	103.4276	102.7004	101.9840	101.2782	100.5827	99.8974	99.2221
1/19/1999	1/20/2009	1/21/2003	4.980	103.6658	103.3663	102.6253	101.8954	101.1762	100.4676	99.7694	99.0814
1/19/1999	1/20/2009	1/21/2003	4.980	103.6658	103.3663	102.6253	101.8954	101.1762	100.4676	99.7694	99.0814
1/29/1999	1/29/2009	1/29/2003	4.980	103.7903	103.4896	102.7230	101.9677	101.2237	100.4906	99.7682	99.0564
2/18/1999	2/18/2009	5/19/2008	5.080	104.1487	103.7767	102.9628	102.1621	101.3747	100.6243	100.1139	99.9517
2/18/1999	2/18/2009	5/19/2008	5.430	104.4345	104.0622	103.2469	102.4450	101.6561	100.8887	100.2424	99.9691
4/23/1999	4/27/2009	7/23/2008	5.190	105.2188	104.6700	103.6601	102.6699	101.7004	100.7936	100.1405	99.9517
4/23/1999	4/27/2009	7/23/2008	5.500	105.5305	104.9811	103.9695	102.9776	102.0055	101.0738	100.3206	99.9691
4/26/1999	4/27/2009	7/28/2008	5.190	105.2188	104.6700	103.6601	102.6699	101.7004	100.7936	100.1405	99.9517
4/26/1999	4/27/2009	7/28/2008	5.500	105.5305	104.9811	103.9695	102.9776	102.0055	101.0738	100.3206	99.9691
5/6/1999	5/6/2009	5/6/2008	5.310	105.4723	104.8164	103.7815	102.7664	101.7751	100.8640	100.2099	99.9876
6/7/1999	6/8/2009	6/9/2008	5.700	106.3967	105.6327	104.5070	103.4025	102.3203	101.2925	100.4628	100.0306
6/7/1999	6/8/2009	6/9/2008	6.040	106.7782	106.0132	104.8852	103.7785	102.6930	101.6454	100.7309	100.1589
7/1/1999	7/1/2009	7/1/2008	6.110	107.2471	106.3719	105.1782	104.0068	102.8584	101.7556	100.7988	100.1705
7/23/1999	7/23/2009	7/23/2008	5.400	106.7350	105.8595	104.6071	103.3784	102.1803	101.0856	100.2851	99.9876
9/8/1999	9/8/2009	6/9/2008	5.620	107.7431	106.6497	105.2702	103.9169	102.5958	101.3775	100.4579	100.0152
10/8/1999	10/8/2009	7/8/2008	5.580	108.1530	106.9481	105.4834	104.0467	102.6476	101.3761	100.4337	99.9499
11/1/1999	11/2/2009	8/1/2008	5.540	108.4757	107.1314	105.6000	104.0992	102.6443	101.3478	100.4106	100.0301
11/8/1999	11/9/2009	5/8/2008	5.960	109.2344	107.8859	106.3288	104.8026	103.3134	101.9265	100.8077	100.1758
11/9/1999	11/9/2009	5/9/2008	5.570	108.6299	107.2844	105.7321	104.2109	102.7351	101.4130	100.4438	100.0300
12/10/1999	12/10/2009	6/10/2008	5.710	109.3349	107.8427	106.1983	104.5886	103.0312	101.6284	100.5744	100.0515
12/17/1999	12/17/2009	6/17/2008	5.910	109.7770	108.2821	106.6142	104.9815	103.3966	101.9371	100.7819	100.1330
12/20/1999	12/21/2009	6/20/2008	5.810	109.6760	108.1815	106.5031	104.8604	103.2684	101.8158	100.6912	100.0845
12/22/1999	12/22/2009	6/23/2008	5.840	109.7422	108.2473	106.5655	104.9195	103.3236	101.8621	100.7229	100.0973
1/7/2000	1/7/2015	7/7/2008	5.950	130.7920	123.6510	117.3427	111.9298	107.4959	104.0942	101.7513	100.4345
1/13/2000	1/13/2010	7/14/2008	5.910	110.2165	108.5758	106.8317	105.1260	103.4763	101.9701	100.7915	100.1043
1/25/2000	1/25/2010	7/25/2008	5.970	110.5193	108.8763	107.0957	105.3544	103.6687	102.1200	100.8839	100.1335
1/27/2000	1/27/2010	7/28/2008	6.080	110.7471	109.1027	107.3144	105.5655	103.8693	102.3008	101.0213	100.2062
1/27/2000	1/27/2010	7/28/2008	6.210	110.9772	109.3314	107.5410	105.7900	104.0886	102.5027	101.1792	100.2953
2/7/2000	2/8/2010	5/7/2008	5.950	110.7120	108.9381	107.1278	105.3584	103.6468	102.0871	100.8662	100.1899
2/16/2000	2/8/2010	8/1/2008	5.950	110.7120	108.9381	107.1278	105.3584	103.6468	102.0871	100.8662	100.1899
2/16/2000	2/16/2010	5/16/2008	6.470	111.7932	110.0121	108.1692	106.3675	104.6136	102.9572	101.5373	100.5126
2/16/2000	2/16/2010	5/16/2008	6.690	112.1947	110.4110	108.5644	106.7590	104.9987	103.3219	101.8449	100.7220
3/6/2000	3/8/2010	6/6/2008	6.390	111.9984	110.0722	108.1668	106.3054	104.5002	102.8185	101.4076	100.4469
3/13/2000	3/15/2010	6/13/2008	6.090	111.5527	109.6294	107.7084	105.8326	104.0217	102.3702	101.0497	100.2494
3/14/2000	3/15/2010	5/14/2008	6.090	111.5527	109.6294	107.7084	105.8334	104.0261	102.3775	101.0601	100.2586
3/15/2000	3/15/2010	6/16/2008	5.950	111.2867	109.3653	107.4468	105.5739	103.7718	102.1459	100.8831	100.1704
3/21/2000	3/22/2010	6/23/2008	6.120	111.7287	109.8040	107.8615	105.9649	104.1329	102.4567	101.1053	100.2684
3/22/2000	3/22/2010	6/23/2008	5.960	111.4216	109.4990	107.5595	105.6662	103.8440	102.1974	100.9119	100.1742
4/5/2000	4/5/2010	7/7/2008	5.950	111.6301	109.5666	107.5922	105.6663	103.8177	102.1594	100.8824	100.1454
4/11/2000	4/12/2010	7/11/2008	5.950	111.7458	109.6813	107.6860	105.7398	103.8718	102.1946	100.8990	100.1433
4/11/2000	4/12/2010	7/11/2008	6.050	111.9435	109.8776	107.8803	105.9319	104.0567	102.3609	101.0231	100.2080
4/11/2000	4/12/2010	7/11/2008	6.470	112.7742	110.7020	108.6964	106.7389	104.8420	103.0724	101.5786	100.5290
4/11/2000	4/12/2010	7/11/2008	6.560	112.9522	110.8786	108.8713	106.9120	105.0113	103.2316	101.7121	100.6149
4/11/2000	4/12/2010	7/11/2008	6.750	113.3279	111.2516	109.2405	107.2773	105.3691	103.5678	101.9942	100.8052
4/12/2000	4/12/2010	7/14/2008	5.990	111.8249	109.7598	107.7637	105.8166	103.9457	102.2611	100.9480	100.1691
4/13/2000	4/13/2010	7/14/2008	6.560	112.9704	110.8967	108.8863	106.9241	105.0206	103.2382	101.7161	100.6162
4/24/2000	4/26/2010	7/24/2008	6.450	112.9854	110.9116	108.8641	106.8662	104.9310	103.1257	101.6007	100.5254
5/3/2000	5/3/2010	5/5/2008	6.240	112.6131	110.4529	108.3906	106.3803	104.4466	102.6842	101.2644	100.3547
5/3/2000	5/3/2010	5/5/2008	6.360	112.8574	110.6952	108.6304	106.6173	104.6769	102.8938	101.4305	100.4389
5/15/2000	5/17/2010	5/15/2008	6.990	114.4119	112.2373	110.1165	108.0482	106.0403	104.1375	102.4513	101.1256
5/30/2000	6/1/2010	5/30/2008	6.490	113.5767	111.3214	109.1732	107.0799	105.0598	103.1930	101.6416	100.5553
8/8/2000	8/9/2010	5/8/2008	5.990	113.5247	111.0914	108.7537	106.4846	104.3353	102.4547	101.0321	100.2381
8/18/2000	8/18/2010	5/19/2008	6.090	113.9077	111.4709	109.1032	106.8042	104.6199	102.6847	101.1891	100.2935
10/5/2000	10/5/2010	7/7/2008	5.710	113.6422	111.0324	108.5409	106.1331	103.8973	102.0196	100.7108	100.0441
10/10/2000	10/12/2010	7/10/2008	5.840	114.0762	111.4620	108.9452	106.5111	104.2342	102.2897	100.8794	100.1104
10/13/2000	10/13/2010	7/14/2008	5.750	113.8685	111.2566	108.7396	106.3068	104.0423	102.1273	100.7711	100.0582
10/23/2000	10/25/2010	7/23/2008	5.640	113.7829	111.1722	108.6225	106.1607	103.8812	101.9828	100.6663	100.0582
12/5/2000	12/6/2010	6/5/2008	5.410	113.6356	110.8519	108.1964	105.6562	103.3681	101.5647	100.4281	99.9764
12/11/2000	12/13/2010	6/11/2008	5.170	113.1033	110.3261	107.6592	105.1225	102.8886	101.2020	100.2525	99.9166
12/12/2000	12/13/2010	6/12/2008	5.110	112.9440	110.1686	107.5041	104.9740	102.7598	101.1108	100.2148	99.9062
12/15/2000	12/15/2010	6/16/2008	5.120	112.9990	110.2230	107.5522	105.0151	102.7920	101.1312	100.2213	99.9028
12/20/2000	12/20/2010	6/20/2008	4.950	112.6153	109.8438	107.1652	104.6370	102.4633	100.9069	100.1191	99.8601
12/21/2000	12/21/2010	6/23/2008	4.860	112.3880	109.6192	106.9419	104.4242	102.2863	100.7874	100.0740	99.8442
1/11/2001	1/11/2011	7/11/2008	5.370	113.9656	111.0900	108.3355	105.7134	103.3775	101.5596	100.4253	99.9041

As of: 4/30/2008 **Parallel-Shift Sensitivity Analysis for HLB-Option and Knockout Advances**

Start Date	Maturity Date	Next Call Date	Coupon	-300	-200	-100	Base	+100	+200	+300	+400
1/12/2001	1/12/2011	7/14/2008	5.300	113.7888	110.9154	108.1609	105.5439	103.2271	101.4473	100.3620	99.8756
2/5/2001	2/7/2011	5/5/2008	4.820	112.7304	109.7901	106.9948	104.3890	102.2163	100.7400	100.0895	99.9761
2/7/2001	2/7/2011	5/7/2008	4.820	112.7304	109.7901	106.9948	104.3890	102.2163	100.7400	100.0895	99.9761
2/26/2001	2/28/2011	5/27/2008	4.790	112.9258	109.9841	107.1212	104.4585	102.2446	100.7336	100.0551	99.8924
2/26/2001	2/28/2011	5/27/2008	5.060	113.7003	110.7491	107.8708	105.1618	102.8239	101.1119	100.1950	99.9155
2/26/2001	2/28/2011	5/27/2008	5.450	114.8191	111.8540	108.9567	106.1977	103.7250	101.7657	100.4960	99.9792
2/27/2001	2/28/2011	5/27/2008	4.760	112.8398	109.8991	107.0380	104.3813	102.1820	100.6965	100.0412	99.8898
2/27/2001	2/28/2011	5/27/2008	5.020	113.5856	110.6357	107.7598	105.0568	102.7362	101.0511	100.1729	99.9121
3/1/2001	3/1/2011	6/2/2008	5.270	114.2154	111.1687	108.2850	105.5612	103.1794	101.3762	100.3335	99.9624
3/14/2001	3/14/2011	6/16/2008	4.860	113.2139	110.1809	107.2812	104.5890	102.3469	100.8037	100.0838	99.8670
4/23/2001	4/25/2011	4/24/2006	5.350	115.1630	112.0197	108.9696	106.0211	103.1700	100.4127	97.7458	95.1657
6/1/2001	6/1/2011	6/2/2008	4.990	114.3680	111.0620	107.9475	105.0689	102.6702	100.9950	100.1637	99.9228
12/13/2001	12/13/2011	6/13/2008	4.920	116.0976	112.2505	108.6292	105.3751	102.7578	100.9900	100.1358	99.8775
6/3/2002	6/4/2012	6/3/2008	4.490	115.8431	111.5115	107.5811	104.2710	101.8617	100.4766	99.9806	99.8640
6/4/2002	6/4/2012	6/4/2008	4.490	115.8431	111.5115	107.5811	104.2710	101.8617	100.4766	99.9806	99.8640
12/5/2002	12/5/2012	6/5/2008	3.790	113.9027	109.2209	105.2741	102.3622	100.6509	100.0207	99.8858	99.7901
3/6/2003	3/6/2013	6/6/2008	2.990	110.4710	105.9358	102.6094	100.6933	100.0221	99.8993	99.8005	99.7021
1/27/2004	1/27/2009	7/28/2008	2.890	102.1836	101.8848	101.1305	100.4058	99.9554	99.7084	99.4684	99.2297
2/5/2004	12/18/2008	12/19/2005	5.150	103.3189	103.0870	102.4380	101.7975	101.1656	100.5417	99.9262	99.3186
2/5/2004	4/26/2010	7/24/2008	6.200	112.4813	110.4112	108.3688	106.3768	104.4569	102.6992	101.2731	100.3382
2/5/2004	12/14/2010	6/16/2008	5.820	114.8459	112.0485	109.3536	106.7593	104.3573	102.3356	100.8884	100.1431
2/9/2004	2/9/2009	5/9/2008	3.110	102.4621	102.0936	101.3122	100.5520	100.0504	99.9766	99.9516	99.9267
2/17/2004	2/17/2009	5/19/2008	2.910	102.3684	101.9991	101.1959	100.4267	100.0071	99.9464	99.8993	99.8524
3/4/2004	3/4/2009	6/4/2008	2.970	102.5410	102.0900	101.2388	100.4459	100.0108	99.9032	99.8099	99.7170
3/12/2004	3/12/2009	6/12/2008	2.690	102.3612	101.9096	101.0379	100.2706	99.9622	99.8461	99.7308	99.6160
4/1/2004	4/1/2009	7/1/2008	2.770	102.5853	102.0447	101.1218	100.3108	99.9431	99.7705	99.6016	99.4337
5/24/2004	5/26/2009	5/27/2008	3.580	103.8883	103.2341	102.1523	101.1094	100.2823	99.9669	99.8945	99.8227
5/28/2004	5/28/2009	5/28/2008	3.700	104.0392	103.3844	102.2962	101.2421	100.3678	99.9826	99.8957	99.8184
6/11/2004	6/11/2009	6/11/2008	3.750	104.2396	103.4813	102.3601	101.2740	100.3844	99.9819	99.8603	99.7481
6/18/2004	6/20/2011	6/18/2008	4.120	111.8681	108.6013	105.5284	102.9025	101.0618	100.1510	99.8803	99.7433
7/2/2004	7/2/2014	7/2/2008	3.990	117.3453	111.4298	106.6710	103.1881	101.0448	100.0999	99.8093	99.6365
8/5/2004	8/5/2009	5/5/2008	3.470	104.4532	103.4782	102.2097	101.0193	100.2023	99.9920	99.9781	99.9642
12/13/2004	12/15/2014	6/13/2008	3.320	113.7901	108.1640	104.0092	101.3942	100.1956	99.9150	99.7914	99.6683
12/17/2004	12/17/2009	6/17/2008	3.710	106.1348	104.6595	103.0258	101.5089	100.4133	99.9716	99.8336	99.7049
5/5/2005	5/5/2010	5/5/2006	4.190	108.4626	106.3361	104.3153	102.4321	100.9534	100.1555	99.9539	99.9069
5/17/2005	5/17/2010	5/19/2008	4.070	108.3533	106.2271	104.1756	102.2811	100.8368	100.1053	99.9539	99.9069
6/6/2005	6/7/2010	6/6/2008	3.890	108.1389	105.9306	103.8349	101.9487	100.6106	100.0326	99.8893	99.7881
7/18/2005	7/19/2010	7/18/2008	4.160	109.1298	106.8255	104.6003	102.5548	100.9851	100.1334	99.7974	99.5782
9/1/2005	9/1/2015	6/2/2008	4.130	119.8869	113.1221	107.7875	103.8836	101.4083	100.2359	99.9334	99.8451
9/19/2005	9/19/2012	6/19/2008	3.820	113.7417	109.2607	105.3761	102.4496	100.6881	100.0114	99.8414	99.7073
9/26/2005	9/26/2012	6/26/2008	3.890	114.1262	109.6305	105.6877	102.6746	100.8047	100.0363	99.8289	99.6756
9/30/2005	9/30/2015	9/30/2008	4.440	122.4186	115.4176	109.6742	105.2882	102.2778	100.5631	99.7594	99.2946
10/26/2005	10/26/2015	10/27/2008	4.540	123.2500	116.1119	110.2420	105.7238	102.5756	100.7107	99.7730	99.2150
10/28/2005	10/28/2015	7/28/2008	4.140	120.4055	113.5592	108.0875	104.0664	101.4861	100.2198	99.9334	99.8451
10/28/2005	10/28/2015	10/28/2008	4.310	121.6201	114.6381	108.9864	104.7396	101.9102	100.3571	99.5984	99.0874
11/4/2005	11/4/2010	5/5/2008	4.520	110.9879	108.3219	105.7933	103.4464	101.5556	100.3860	99.9941	99.9830
11/21/2005	11/21/2012	5/21/2008	4.290	116.2272	111.5060	107.2916	103.8886	101.5382	100.2847	99.9559	99.8978
12/22/2005	12/22/2008	6/22/2008	4.750	103.1139	102.8817	102.2223	101.5715	100.9294	100.2956	99.9334	99.8451
1/6/2006	1/6/2016	7/7/2008	4.020	119.7105	112.7845	107.4049	103.5548	101.1839	100.1237	99.8035	99.6194
1/17/2006	1/19/2016	7/17/2008	4.080	120.2924	113.3115	107.8221	103.8471	101.3475	100.1688	99.8035	99.6194
3/20/2006	3/21/2011	6/20/2008	4.760	113.0158	109.9855	107.0570	104.2237	101.4820	100.1237	99.8035	99.6194
4/11/2006	4/11/2011	7/11/2008	4.980	113.8510	110.7247	107.7442	104.9689	102.6306	100.9792	100.1211	99.7857
4/19/2006	4/19/2013	7/21/2008	4.630	118.7897	113.6177	108.9985	105.1838	102.3853	100.6896	100.0401	99.9789
4/24/2006	4/25/2016	7/24/2008	4.440	123.5008	116.0238	109.9872	105.4297	102.3250	100.5790	100.0401	99.9789
4/28/2006	4/28/2011	7/28/2008	5.090	114.4195	111.2862	108.2389	105.2931	102.4451	100.5790	100.0401	99.9789
5/5/2006	5/6/2013	5/5/2008	4.780	119.5611	114.2844	109.5948	105.6794	102.7498	100.9044	100.1203	99.9788
5/5/2006	5/5/2016	5/5/2008	4.350	122.7190	115.2586	109.3441	104.9411	102.0170	100.4503	99.9903	99.9764
5/5/2006	5/5/2016	5/5/2008	4.530	124.0919	116.4813	110.3746	105.7323	102.5341	100.6976	100.0401	99.9789
5/5/2006	5/5/2016	5/5/2009	4.980	127.5453	119.6102	113.0612	107.8797	104.0561	101.4823	99.8239	98.6510
5/9/2006	5/9/2011	5/9/2008	5.050	114.3412	111.1209	108.0605	105.2153	102.8127	101.0969	100.2062	99.9750
5/15/2006	5/16/2016	5/15/2008	4.350	122.8519	115.3899	109.4420	105.0083	102.0548	100.4589	99.9690	99.9247
5/15/2006	5/16/2016	5/15/2008	4.520	124.1536	116.5494	110.4196	105.7589	102.5461	100.6957	100.0192	99.9322
5/19/2006	5/19/2016	5/19/2008	4.510	124.1144	116.5179	110.3895	105.7328	102.5270	100.6837	100.0105	99.9191
6/12/2006	6/13/2016	6/12/2008	4.620	125.0595	117.3088	111.0348	106.2254	102.8627	100.8621	100.0490	99.8411
6/26/2006	6/27/2016	6/26/2008	4.730	126.0966	118.2618	111.8298	106.8445	103.2858	101.0858	100.1038	99.8040
6/28/2006	6/28/2013	12/28/2006	4.950	120.9463	115.5511	110.6682	106.5391	103.3601	101.2470	100.1953	99.8402
6/28/2006	6/28/2013	6/30/2008	4.950	120.9463	115.5511	110.6682	106.5391	103.3601	101.2470	100.1953	99.8402
6/30/2006	7/1/2013	6/30/2008	4.890	120.4750	115.0162	110.1827	106.1349	103.0678	101.0849	100.1639	99.9135
7/14/2006	7/15/2013	7/14/2008	4.890	120.6652	115.2046	110.3307	106.2431	103.1372	101.1166	100.1267	99.7560
7/19/2006	7/19/2011	7/21/2008	5.250	115.7677	112.3552	109.0852	106.0393	103.4258	101.4782	100.3368	99.8448
7/20/2006	7/20/2011	7/21/2008	5.300	115.9452	112.5299	109.2403	106.0673	103.0174	100.8149	100.0611	99.8271
7/24/2006	7/25/2016	7/24/2008	4.660	125.6899	117.8426	111.4476	106.5272	103.0606	100.9574	100.0179	99.8271
7/28/2006	7/28/2016	7/28/2008	4.490	124.3935	116.6819	110.4626	105.7558	102.5232	100.6731	99.8210	99.3768
8/1/2006	8/1/2016	8/3/2009	4.890	127.3669	119.2813	112.6840	107.5216	103.7550	101.1897	99.4192	98.0514
8/11/2006	8/11/2011	5/12/2008	4.790	114.4638	110.9837	107.6948	104.7195	102.3339	100.7625	100.0842	99.9615
8/21/2006	8/21/2013	5/21/2008	4.750	120.2225	114.7156	109.8333	105.8005	102.8069	100.9288	100.1114	99.9245
8/25/2006	8/25/2016	5/27/2008	4.350	123.4145	115.7626	109.6705	105.1389	102.1190	100.4770	99.9518	99.8827
8/28/2006	8/29/2011	5/28/2008	4.890	115.0401	111.5522	108.2008	105.1491	102.6602	100.9596	100.1333	99.9073
9/22/2006	9/22/2011	9/22/2008	4.790	114.9135	111.3428	107.9408	104.8705	102.4138	100.7877	99.9476	99.4868
9/29/2006	9/29/2011	9/29/2008	4.590	114.3161	110.7556	107.3569	104.3358	101.9984	100.5442	99.8210	99.3768
10/10/2006	10/10/2013	7/10/2008	4.250	117.7711	112.2572	107.5743	103.9399	101.5089	100.2673	99.8433	99.6422
10/12/2006	10/15/2013	7/14/2008	4.500	119.1881	113.5932	108.7448	104.8623	102.1129	100.5378	99.9128	99.6699
10/20/2006	10/20/2009	7/20/2008	4.930	107.3676	106.1654	104.6729	103.2092	101.7738	100.3659	99.7331	99.2402
10/30/2006	10/31/2011	10/30/2008	4.850	115.5321	111.8642	108.3112	104.8980	101.9841	100.4907	99.8397	99.3427
11/3/2006	11/3/2011	11/3/2008	4.690	114.8722	111.1292	107.5879	104.2015	101.5609	100.3144	99.7331	99.2402

Start Date	Maturity Date	Next Call Date	Coupon	-300	-200	-100	Base	+100	+200	+300	+400
11/6/2006	11/6/2013	5/6/2008	4.290	118.0939	112.5005	107.7636	104.0797	101.5988	100.3009	99.9873	99.9707
11/10/2006	11/13/2012	5/12/2008	4.390	116.5881	111.8516	107.6205	104.1623	101.7261	100.3732	99.9762	99.9402
11/17/2006	11/18/2013	5/19/2008	4.350	118.5678	112.9518	108.1408	104.3634	101.7784	100.3705	99.9652	99.9153
11/24/2006	11/25/2016	5/27/2008	4.190	122.5758	114.8957	108.8878	104.5248	101.7183	100.3051	99.9407	99.8716
11/30/2006	12/2/2013	5/30/2008	4.350	118.5185	112.8450	108.0500	104.3017	101.7501	100.3893	100.0032	99.9905
12/1/2006	12/1/2016	6/2/2008	4.090	121.6205	113.9914	108.1579	103.9953	101.4029	100.2174	99.9267	99.8416
12/4/2006	12/5/2016	6/4/2008	4.080	121.5858	113.9666	108.1350	103.9770	101.3906	100.2098	99.9146	99.8189
12/5/2006	12/5/2016	12/7/2009	4.260	123.0313	115.2275	109.1563	104.7023	101.6420	99.4898	97.7863	96.2691
12/6/2006	12/6/2013	12/7/2009	4.400	118.8428	113.1464	108.3003	104.4721	101.6874	99.6461	97.9808	96.4737
12/8/2006	12/8/2016	6/9/2008	3.990	120.8992	113.3780	107.6639	103.6400	101.1950	100.1408	99.8969	99.7929
12/11/2006	12/11/2009	6/11/2008	4.690	107.6791	106.1959	104.5627	102.9747	101.5312	100.4798	100.0058	99.8571
12/12/2006	12/12/2016	6/12/2008	3.990	120.9436	113.4218	107.6957	103.6607	101.2051	100.1401	99.8852	99.7703
12/12/2006	12/12/2016	6/12/2008	4.050	121.4245	113.8362	108.0254	103.8949	101.3401	100.1864	99.8924	99.7774
12/13/2006	12/15/2008	6/13/2008	4.890	103.1106	102.8793	102.2394	101.6079	100.9849	100.3931	100.0246	99.8675
12/13/2006	12/14/2009	12/15/2008	4.830	107.9488	106.4639	104.8199	103.2162	101.7313	100.5701	99.7682	99.1338
12/19/2006	12/19/2011	6/19/2008	4.490	114.6000	110.7815	107.2083	104.1126	101.7994	100.4422	99.9497	99.7997
12/19/2006	12/19/2016	12/19/2008	4.190	122.6310	114.8955	108.8726	104.5029	101.7004	100.1835	99.3493	98.7107
12/20/2006	12/20/2013	12/22/2008	4.500	119.5739	113.8425	108.8920	104.9449	102.1538	100.4965	99.5700	98.9064
12/21/2006	12/21/2011	6/23/2008	4.530	114.7721	110.9505	107.3644	104.2435	101.8928	100.4888	99.9555	99.7969
12/27/2006	12/27/2013	12/29/2008	4.500	119.6614	113.9289	108.9573	104.9907	102.1808	100.5050	99.5599	98.8778
12/28/2006	12/28/2016	6/30/2008	4.250	123.2222	115.4249	109.2972	104.8112	101.8902	100.3755	99.8916	99.7223
12/28/2006	12/28/2016	12/29/2008	4.400	124.4447	116.5003	110.1865	105.4827	102.3132	100.4938	99.5038	98.8097
1/8/2007	1/9/2012	7/8/2008	4.750	115.6950	111.7704	108.1127	104.8874	102.3768	100.7673	100.0277	99.7456
1/12/2007	1/12/2017	1/12/2009	4.420	124.5609	116.5396	110.2121	105.4999	102.3275	100.4906	99.4594	98.7237
1/16/2007	1/17/2017	1/17/2012	4.790	127.6722	119.3215	112.4936	106.9698	102.4096	98.4918	94.9866	91.7593
1/23/2007	1/23/2014	7/23/2008	4.490	119.7193	113.9219	108.9252	104.9532	102.1514	100.5451	99.5599	98.8778
1/23/2007	1/23/2017	7/23/2008	4.460	125.0251	116.9650	110.5537	105.7547	102.4915	100.6492	100.0182	99.9605
1/29/2007	1/29/2014	1/29/2009	4.790	121.5073	115.6154	110.4344	106.1910	103.0405	101.0009	99.7792	98.9402
2/2/2007	2/2/2017	5/2/2008	4.690	126.8359	118.5149	111.8625	106.7829	103.2164	101.0614	100.1605	99.9924
2/9/2007	2/9/2012	5/9/2008	4.750	115.9748	111.9642	108.2294	104.9432	102.3894	100.7562	100.0790	99.9675
2/9/2007	2/9/2012	5/9/2008	4.750	115.9748	111.9642	108.2294	104.9432	102.3894	100.7562	100.0790	99.9675
2/9/2007	2/9/2012	5/9/2008	4.750	115.9748	111.9642	108.2294	104.9432	102.3894	100.7562	100.0790	99.9675
2/9/2007	2/9/2017	5/9/2008	4.470	125.1002	116.9701	110.5485	105.7468	102.4888	100.6540	100.0182	99.9605
2/12/2007	2/13/2012	2/12/2009	4.880	116.5249	112.5038	108.7364	105.3855	102.7246	100.9211	99.7888	98.9588
2/15/2007	2/15/2012	2/17/2009	4.990	116.9734	112.9442	109.1565	105.7643	103.0309	101.1252	99.9129	99.0492
2/20/2007	2/21/2017	5/20/2008	4.390	124.5863	116.5290	110.1717	105.4511	102.2914	100.5506	99.9687	99.9036
2/20/2007	2/21/2017	2/21/2012	4.850	128.2551	119.4705	112.3520	106.7665	102.2584	98.3881	94.9110	91.6747
2/23/2007	2/23/2017	5/23/2008	4.250	123.4521	115.5390	109.3507	104.8371	101.9031	100.3669	99.9492	99.8856
2/23/2007	2/23/2017	5/23/2008	4.350	124.2793	116.2615	109.9480	105.2803	102.1809	100.4979	99.9556	99.8920
2/28/2007	3/1/2010	5/28/2008	4.890	109.0826	107.1770	105.3189	103.5031	101.7286	100.4367	99.9769	99.8726
3/2/2007	3/2/2012	6/2/2008	4.490	115.1206	111.0443	107.3126	104.1265	101.7843	100.4367	99.9769	99.8726
3/9/2007	3/10/2014	3/9/2009	4.450	119.6356	113.7249	108.7105	104.7647	102.0126	100.3340	99.2665	98.4163
3/16/2007	3/16/2017	6/16/2008	4.090	122.1591	114.3689	108.3922	104.1313	101.4672	100.2241	99.8874	99.7606
3/20/2007	3/20/2012	6/20/2008	4.550	115.5805	111.4976	107.7033	104.4429	102.0079	100.5470	99.9756	99.8038
3/21/2007	3/21/2017	6/23/2008	4.220	123.2902	115.3581	109.1881	104.7049	101.8159	100.3480	99.9007	99.7524
3/23/2007	3/23/2017	3/23/2009	4.290	123.8953	115.8892	109.6209	105.0270	101.9982	100.2218	99.1081	98.2218
3/23/2007	3/23/2017	3/23/2009	4.290	123.8953	115.8892	109.6209	105.0270	101.9982	100.2218	99.1081	98.2218
3/23/2007	3/23/2017	6/23/2009	4.290	123.8953	115.8892	109.6209	105.0270	101.9982	100.2218	99.1081	98.2218
3/30/2007	3/30/2012	6/30/2008	4.670	116.1810	112.0785	108.1277	104.3419	100.7134	100.2218	99.1081	98.2218
4/2/2007	4/2/2012	4/2/2009	4.590	115.7681	111.5957	107.7709	104.4820	102.0126	100.4015	99.3100	98.4135
4/9/2007	4/9/2009	7/9/2008	4.750	104.5389	103.9933	103.0374	102.1001	101.1879	100.4017	99.9583	99.7435
4/9/2007	4/10/2017	7/9/2008	4.150	122.7204	114.8084	108.7314	104.3671	101.6079	100.2629	99.8236	99.6226
4/12/2007	4/12/2017	7/14/2008	4.250	123.5764	115.5551	109.3344	104.8108	101.8800	100.3706	99.8494	99.6323
4/13/2007	4/13/2017	4/13/2009	4.450	125.2635	117.0375	110.5534	105.7262	102.4500	100.4615	99.2112	98.2511
4/18/2007	4/20/2009	7/18/2008	4.940	104.8714	104.3240	103.3355	102.3663	101.4194	100.5654	100.0242	99.6721
4/23/2007	4/23/2012	7/23/2008	4.650	116.2768	112.0966	108.1988	104.8303	102.2723	100.6793	99.9668	99.6721
4/23/2007	4/23/2014	4/23/2010	4.620	120.9665	114.9214	109.7108	105.5184	102.3185	99.8532	97.7960	95.9374
4/27/2007	4/27/2012	4/27/2009	4.550	115.9258	111.7533	107.8628	104.5252	102.0228	100.3782	99.2360	98.2798
4/27/2007	4/27/2017	7/28/2008	4.250	123.7535	115.7299	109.4638	104.8985	101.9278	100.3786	99.2360	98.2798
5/2/2007	5/2/2014	5/3/2010	4.590	120.6645	114.5720	109.4085	105.2711	102.1111	99.6542	97.5862	95.7121
5/4/2007	5/5/2014	5/4/2009	4.550	120.4654	114.3889	109.2424	105.1678	102.2708	100.4105	99.1617	98.1557
5/14/2007	5/16/2011	5/14/2008	4.500	112.7455	109.5482	106.5119	103.7894	101.6847	100.4124	99.9756	99.9313
5/18/2007	5/18/2017	5/19/2008	4.190	123.2662	115.2600	109.0706	104.6071	101.7503	100.3163	99.9572	99.9074
5/22/2007	5/22/2012	5/22/2009	4.690	116.6551	112.3844	108.4125	104.9801	102.3459	100.5439	99.2773	98.2345
5/22/2007	5/22/2012	5/22/2009	4.690	116.6551	112.3844	108.4125	104.9801	102.3459	100.5439	99.2773	98.2345
5/22/2007	5/22/2012	5/22/2009	4.710	116.7370	112.4644	108.4881	105.0459	102.3948	100.5765	99.3016	98.2563
5/22/2007	5/22/2017	5/22/2012	4.750	128.0678	119.4932	112.4886	106.7842	102.0155	97.8700	94.1357	90.6869
5/25/2007	5/25/2012	5/27/2008	4.650	116.5301	112.2628	108.2909	104.8695	102.2803	100.6692	100.0225	99.9034
5/29/2007	5/30/2017	5/29/2008	4.250	123.9114	115.8346	109.5282	104.9328	101.9431	100.3727	99.9340	99.8511
6/1/2007	6/1/2010	6/2/2008	4.990	110.4021	108.1744	106.0603	104.0218	102.1934	100.8253	100.1254	99.9211
6/1/2007	6/2/2014	6/2/2008	4.500	120.2834	114.1632	109.0187	104.9765	102.1518	100.5544	99.9887	99.8735
6/7/2007	6/7/2012	6/9/2008	4.940	117.7418	113.3626	109.3139	105.7538	102.9466	101.0699	100.1648	99.8999
6/7/2007	6/7/2017	6/8/2009	4.820	128.6398	119.9491	112.9648	107.5907	103.7323	101.1927	99.5341	98.3086
6/8/2007	6/9/2014	6/9/2008	4.730	121.7553	115.5402	110.2231	105.9415	102.8271	100.9019	100.0839	99.8690
6/8/2007	6/8/2017	6/9/2008	4.490	125.8277	117.4480	110.8536	105.9368	102.5977	100.7040	100.0043	99.8468
6/11/2007	6/12/2017	6/11/2008	4.490	125.8776	117.4973	110.8906	105.9626	102.6128	100.7086	99.9981	99.8296
6/18/2007	6/19/2017	6/18/2008	4.500	126.0504	117.6592	111.0181	106.0554	102.6720	100.7326	99.9922	99.8010
6/18/2007	6/19/2017	6/18/2009	4.840	128.9731	120.2629	113.2178	107.7833	103.8646	101.2677	99.5609	98.2972
6/19/2007	6/19/2017	6/19/2008	4.650	127.3362	118.8002	111.9756	106.7970	103.1788	101.0010	100.0779	99.8217
6/20/2007	6/20/2012	6/20/2008	4.890	117.7115	113.3352	109.2574	105.6832	102.8796	101.0196	100.1292	99.8517
6/20/2007	6/20/2012	6/20/2008	4.960	118.0036	113.6207	109.5284	105.9231	103.0646	101.1331	100.1746	99.8641
6/22/2007	6/22/2017	6/23/2008	4.500	126.0879	117.6962	111.0459	106.0748	102.6834	100.7362	99.9877	99.7883
6/26/2007	6/26/2012	6/26/2009	5.130	118.7984	114.3988	110.2564	106.5654	103.5643	101.3654	99.8034	98.5797
6/28/2007	6/28/2017	6/30/2008	4.500	126.1629	117.7703	111.1015	106.1136	102.7063	100.7433	99.9787	99.7630
7/13/2007	7/13/2012	7/14/2008	4.690	117.0160	112.5749	108.4969	105.0015	102.3571	100.7087	99.9876	99.7182

Start Date	Maturity Date	Next Call Date	Coupon	-300	-200	-100	Base	+100	+200	+300	+400
7/13/2007	7/13/2017	7/14/2008	4.290	124.3145	116.0868	109.7108	105.0611	102.0224	100.4284	99.8620	99.6356
7/13/2007	7/13/2017	7/13/2011	4.900	129.5747	120.7528	113.5981	107.9263	103.4037	99.6700	96.4335	93.5021
7/18/2007	7/18/2017	7/19/2010	4.780	128.5999	119.8827	112.8706	107.4608	103.4173	100.3494	97.8640	95.6998
7/19/2007	7/19/2012	7/20/2009	4.890	117.9442	113.4810	109.3389	105.7240	102.8803	100.8400	99.3494	98.1214
7/20/2007	7/20/2017	7/21/2008	4.290	124.3979	116.1691	109.7718	105.1027	102.0454	100.4328	99.8405	99.5784
7/24/2007	7/24/2012	7/24/2009	4.820	117.7136	113.2570	109.1145	105.5210	102.7169	100.7135	99.2446	98.0177
7/27/2007	7/27/2012	7/28/2008	4.590	116.7711	112.3391	108.2466	104.7660	102.1722	100.6013	99.9219	99.6414
7/27/2007	7/28/2014	7/28/2008	4.350	119.8267	113.7110	108.5667	104.5867	101.8789	100.4006	99.8405	99.5784
7/27/2007	7/27/2017	7/28/2008	4.180	123.5372	115.4324	109.1668	104.6489	101.7629	100.3052	99.7928	99.5419
7/27/2007	7/27/2017	7/28/2008	4.250	124.1379	115.9526	109.5881	104.9633	101.9563	100.3874	99.8178	99.5589
7/30/2007	1/30/2019	7/30/2008	3.990	123.9723	115.2218	108.6953	104.1741	101.4181	100.1524	99.7449	99.4912
7/31/2007	7/31/2017	7/31/2008	3.990	121.9625	114.0813	108.0807	103.8669	101.2916	100.1207	98.7164	97.4867
7/31/2007	7/31/2017	7/31/2008	3.990	121.9625	114.0813	108.0807	103.8669	101.2916	100.1207	99.7266	99.4656
7/31/2007	7/31/2017	7/31/2008	4.060	122.5578	114.5926	108.4847	104.1550	101.4556	100.1810	99.7449	99.4912
8/2/2007	8/4/2014	8/3/2009	4.490	120.5312	114.2949	109.0781	104.9968	102.1051	100.1516	98.7164	97.4867
8/2/2007	8/2/2017	8/4/2008	4.050	122.2676	114.2692	108.2360	103.9854	101.3742	100.1619	99.7266	99.4656
8/2/2007	8/2/2017	8/4/2008	4.150	123.1185	115.0014	108.8191	104.4056	101.6239	100.2582	99.7584	99.4916
8/6/2007	8/6/2012	8/6/2008	4.490	116.3077	111.8045	107.7393	104.3413	101.8793	100.4627	99.8623	99.5627
8/6/2007	8/6/2012	8/6/2008	4.490	116.3077	111.8045	107.7393	104.3413	101.8793	100.4627	99.8623	99.5627
8/9/2007	8/11/2014	8/9/2011	4.860	122.9017	116.5057	110.9920	106.3532	102.4348	99.0182	95.9283	93.0539
8/9/2007	8/9/2017	8/11/2008	3.990	121.8366	113.9096	107.9484	103.7783	101.2560	100.1125	99.6887	99.4107
8/9/2007	8/9/2017	8/11/2008	3.990	121.8366	113.9096	107.9484	103.7783	101.2560	100.1125	99.6887	99.4107
8/13/2007	8/13/2012	8/13/2009	4.590	116.8266	112.3100	108.1936	104.7121	102.0904	100.2325	98.8134	97.5725
8/16/2007	8/16/2017	5/16/2008	3.990	121.9142	113.9861	108.0040	103.8145	101.2735	100.1681	99.9531	99.9088
8/17/2007	8/17/2012	5/19/2008	4.150	114.9735	110.5153	106.5374	103.3530	101.2194	100.1858	99.9577	99.9106
8/17/2007	8/17/2012	8/18/2008	4.350	115.8390	111.3524	107.2995	103.9657	101.6169	100.3234	99.7853	99.4739
8/17/2007	8/17/2017	5/19/2008	4.000	122.0104	114.0699	108.0691	103.8604	101.2988	100.1747	99.9506	99.9036
8/20/2007	8/20/2010	8/20/2009	4.590	110.4343	108.0306	105.7007	103.5004	101.6063	100.0723	98.7591	97.5372
8/20/2007	8/20/2014	8/20/2009	4.250	119.2296	113.0771	107.9617	104.0626	101.4148	99.6820	98.3305	97.1070
8/20/2007	8/20/2014	8/20/2009	4.250	119.2296	113.0771	107.9617	104.0626	101.4148	99.6820	98.3305	97.1070
8/24/2007	8/24/2010	8/25/2008	4.460	110.1799	107.7786	105.4415	103.2507	101.4628	100.3374	99.8066	99.4767
8/24/2007	8/24/2012	5/27/2008	4.050	114.6196	110.1760	106.2195	103.0980	101.0632	100.1301	99.9338	99.8674
8/28/2007	8/28/2014	8/28/2009	4.350	119.9626	113.7899	108.6090	104.6050	101.8095	99.9117	98.4745	97.2067
8/30/2007	8/30/2012	8/31/2009	4.390	116.1706	111.6765	107.5700	104.1667	101.6677	99.8999	98.5044	97.2455
8/30/2007	9/2/2014	5/30/2008	3.890	116.9535	110.9907	106.2638	102.8705	100.8517	100.0724	99.9936	99.9880
8/31/2007	8/31/2012	8/31/2009	4.370	116.0952	111.6031	107.4989	104.1048	101.6196	99.8656	98.4740	97.2143
9/4/2007	9/4/2012	9/4/2008	4.190	115.2005	110.6565	106.6405	103.4238	101.2589	100.1619	99.6797	99.3347
9/4/2007	9/4/2012	9/4/2008	4.220	115.3317	110.7831	106.7550	103.5150	101.3152	100.1855	99.6914	99.3451
9/4/2007	9/5/2017	9/4/2008	3.890	121.0578	113.2071	107.3833	103.3803	101.0349	100.0065	99.5669	99.2243
9/6/2007	9/7/2010	6/6/2008	4.160	109.5684	107.0888	104.7320	102.5818	100.9646	100.1381	99.9177	99.8165
9/7/2007	9/7/2012	9/8/2008	4.090	114.7972	110.2690	106.2864	103.1435	101.0862	100.0858	99.6331	99.2839
9/10/2007	9/11/2017	6/10/2008	3.690	119.4272	111.8536	106.3386	102.6822	100.6781	99.9929	99.8533	99.7412
9/11/2007	9/13/2010	9/11/2009	4.430	110.2870	107.8000	105.4136	103.1831	101.3062	99.7798	98.4387	97.1689
9/11/2007	9/11/2017	6/11/2008	3.590	118.5895	111.1621	105.8195	102.3507	100.5289	99.9675	99.8417	99.7296
9/12/2007	9/12/2014	6/12/2008	3.690	115.8347	110.0066	105.4580	102.3144	100.5665	99.9805	99.8496	99.7347
9/13/2007	9/15/2014	9/14/2009	3.990	117.7119	111.6821	106.8173	103.2488	100.8730	99.2198	97.8501	96.5752
9/13/2007	9/13/2017	9/13/2010	3.990	121.9989	114.0199	107.9999	103.6402	100.4254	97.8471	95.5749	93.4552
9/14/2007	9/14/2011	9/15/2008	4.090	112.4192	108.8906	105.6181	102.8791	101.0088	100.0669	99.6135	99.2467
9/14/2007	9/14/2012	9/14/2010	4.390	116.1973	111.6224	107.4967	104.0065	101.1386	98.6797	96.4417	94.3283
9/17/2007	9/17/2012	9/17/2009	4.220	115.4841	110.9336	106.8669	103.5854	101.2336	99.5475	98.1600	96.8738
9/27/2007	9/27/2010	9/29/2008	4.250	110.0194	107.5349	105.1155	102.8869	101.1573	100.1621	99.6485	99.2438
9/27/2007	9/29/2014	9/27/2010	4.490	120.9120	114.3004	108.6690	104.5036	101.4215	98.9070	96.6374	94.4943
9/27/2007	9/27/2017	6/27/2008	3.650	119.2537	111.7360	106.2412	102.6157	100.6398	99.9623	99.7873	99.6313
9/28/2007	9/28/2010	9/29/2008	4.290	110.1291	107.6435	105.2192	102.9782	101.2218	100.1925	99.6642	99.2555
9/28/2007	9/28/2012	6/30/2008	3.850	113.9703	109.4822	105.5550	102.5749	100.7503	100.0185	99.8161	99.6573
10/3/2007	10/3/2012	7/3/2008	3.830	113.7759	109.2199	105.3307	102.4153	100.6698	99.9897	99.7763	99.6027
10/9/2007	10/9/2012	10/9/2009	4.400	116.3851	111.6874	107.3114	103.7228	101.3371	99.6675	98.2559	96.9223
10/11/2007	10/14/2014	4/13/2009	4.180	118.9929	112.7990	107.7343	103.9286	101.4223	99.9205	98.8808	97.9792
10/11/2007	10/11/2017	10/14/2008	3.990	122.0845	114.0590	108.0287	103.8196	101.2676	100.0484	99.4671	99.0217
10/15/2007	10/16/2017	10/15/2008	3.990	122.1399	114.1137	108.0684	103.8454	101.2802	100.0476	99.4528	98.9940
10/22/2007	10/22/2012	10/22/2008	3.990	114.6984	110.1072	106.0759	102.9557	100.9625	99.9694	99.4278	98.9607
10/25/2007	10/27/2014	10/25/2011	4.360	120.2808	113.9825	108.6552	104.2198	100.4295	97.0477	93.9233	90.9739
10/26/2007	10/26/2017	7/28/2008	3.390	117.1447	109.9912	104.9499	101.8163	100.3006	100.0476	99.4528	98.9940
10/29/2007	10/29/2009	10/29/2008	4.250	106.4576	105.2586	103.7481	102.2756	100.9752	100.0986	99.5387	99.0513
10/29/2007	10/29/2012	10/29/2009	3.990	114.7760	110.1837	106.1318	102.9762	100.7505	99.0816	97.6290	96.2498
11/2/2007	11/3/2014	11/2/2009	3.990	117.7818	111.6597	106.7789	103.2031	100.7750	99.0129	97.5219	96.1289
11/2/2007	11/3/2014	11/2/2010	4.190	119.0405	112.7925	107.7110	103.7433	100.6227	98.0037	95.6415	93.4196
11/5/2007	11/5/2014	11/5/2009	3.990	117.8040	111.6816	106.7948	103.2135	100.7801	99.0127	97.5167	96.1188
11/5/2007	11/6/2017	11/5/2012	4.390	125.6406	117.0449	110.1544	104.4982	99.6678	95.3793	91.4611	87.8110
11/6/2007	11/6/2017	5/6/2008	3.480	117.7882	110.4480	105.2791	102.0109	100.3848	99.9905	99.9739	99.9573
11/8/2007	11/9/2009	5/8/2008	4.100	106.3514	105.0172	103.4831	102.0000	100.7642	100.0996	99.9763	99.9513
11/9/2007	11/10/2014	11/9/2011	4.330	120.0090	113.6759	108.3793	103.9641	100.1776	96.7847	93.6457	90.6796
11/13/2007	11/14/2011	11/13/2008	3.760	111.6881	108.0131	104.7010	102.1190	100.5547	99.7656	99.2168	98.6984
11/13/2007	11/13/2012	11/13/2008	3.680	113.3510	108.7591	104.8919	102.0896	100.4961	99.7182	99.1771	98.6616
11/13/2007	11/13/2014	5/13/2008	3.350	113.9059	108.2819	104.1075	101.4561	100.2081	99.9748	99.9388	99.9028
11/19/2007	11/19/2014	11/19/2009	3.750	116.4481	110.4905	105.8121	102.4990	100.2722	98.5912	97.1047	95.6859
11/19/2007	11/19/2014	11/19/2009	3.750	116.4481	110.4905	105.8121	102.4990	100.2722	98.5912	97.1047	95.6859
11/19/2007	11/19/2014	11/21/2011	4.270	119.7349	113.4342	108.1538	103.7557	99.9757	96.5808	93.4328	90.4558
11/19/2007	11/20/2017	11/19/2012	4.290	124.6733	115.9674	109.1220	103.6373	98.9563	94.7859	90.9269	87.3073
11/20/2007	11/20/2017	11/22/2010	3.740	120.1340	112.4026	106.6936	102.5900	99.4804	96.8761	94.5105	92.2751
11/23/2007	11/24/2017	11/23/2011	3.990	121.8986	113.4078	107.2335	102.6460	98.9114	95.5809	92.4757	89.5245
11/23/2007	11/24/2017	11/23/2011	3.990	121.8986	113.4078	107.2335	102.6460	98.9114	95.5809	92.4757	89.5245
11/29/2007	11/29/2017	5/29/2008	2.950	113.6522	107.2569	103.0750	100.8050	100.0212	99.9120	99.8319	99.7519
11/30/2007	11/30/2017	11/30/2009	3.190	115.6022	108.7530	104.0652	101.1514	99.2359	97.6622	96.1873	94.7533
12/6/2007	12/6/2017	12/7/2009	3.250	115.9408	108.9584	104.1986	101.2067	99.2307	97.6252	96.1334	94.6879

As of: 4/30/2008 **Parallel-Shift Sensitivity Analysis for HLB-Option and Knockout Advances**

Start Date	Maturity Date	Next Call Date	Coupon	-300	-200	-100	Base	+100	+200	+300	+400
12/7/2007	12/7/2012	12/7/2009	3.450	112.3548	107.7690	104.0508	101.4036	99.5149	97.9293	96.4382	94.9890
12/10/2007	12/10/2010	12/10/2009	3.870	109.6184	106.8820	104.3051	102.0441	100.1960	98.5913	97.0835	95.6205
12/10/2007	12/11/2017	12/10/2010	3.450	117.6555	110.3265	105.1027	101.3630	98.4463	95.9091	93.5503	91.2962
12/11/2007	12/11/2012	12/11/2009	3.760	113.8262	109.1467	105.1940	102.2290	100.1193	98.4394	96.9127	95.4454
12/14/2007	12/14/2010	12/15/2008	3.690	109.1828	106.4518	103.8879	101.7584	100.4045	99.6330	99.0178	98.4235
12/20/2007	12/20/2012	12/21/2009	3.600	113.1760	108.5408	104.6711	101.8355	99.8165	98.1605	96.6273	95.1429
12/20/2007	12/20/2012	12/21/2009	3.750	113.8664	109.0672	104.8487	101.9447	100.0029	98.3869	96.8624	95.3784
12/24/2007	12/26/2017	12/24/2012	3.990	122.1681	113.7837	107.2680	101.9748	97.4100	93.2650	89.4105	85.7780
12/26/2007	12/26/2012	12/26/2008	3.460	112.5835	107.9918	104.2145	101.6223	100.2299	99.4641	98.8237	98.1987
12/26/2007	12/26/2012	12/27/2010	3.960	114.9169	110.1865	106.0415	102.6170	99.7394	97.1709	94.7661	92.4635
1/2/2008	1/2/2013	1/4/2010	3.490	112.6105	107.9497	104.1788	101.4619	99.4927	97.8357	96.2809	94.7725
1/3/2008	1/5/2015	1/3/2011	3.650	115.8230	109.8692	105.2407	101.6880	98.7911	96.2178	93.8089	91.5016
1/4/2008	1/4/2018	1/4/2011	3.360	116.9061	109.6946	104.6069	100.9481	98.0409	95.4800	93.0836	90.7883
1/7/2008	1/7/2013	1/7/2009	2.990	110.3248	105.8852	102.5986	100.6839	99.7504	99.0650	98.4065	97.7581
1/7/2008	1/7/2013	1/7/2011	3.590	113.1278	108.4306	104.4955	101.2917	98.5447	96.0297	93.6407	91.3382
1/7/2008	1/7/2015	1/7/2011	3.490	114.8365	109.0181	104.5575	101.1449	98.3250	95.7877	93.3931	91.0911
1/7/2008	1/8/2018	7/7/2008	2.590	110.7946	105.1195	101.7796	100.2803	99.9011	99.7115	99.5235	99.3366
1/8/2008	1/8/2013	1/8/2010	3.150	111.0780	106.5562	103.0724	100.6741	98.8689	97.2533	95.7000	94.1838
1/8/2008	1/8/2018	7/8/2008	2.570	110.6452	105.0170	101.7230	100.2598	99.8972	99.7077	99.5197	99.3328
1/8/2008	1/8/2018	7/8/2008	2.640	111.1696	105.3803	101.9278	100.3316	99.9111	99.7210	99.5330	99.3461
1/10/2008	1/10/2011	1/12/2009	3.100	107.7465	104.9549	102.4836	100.7637	99.8278	99.1332	98.4664	97.8098
1/11/2008	1/11/2018	1/12/2009	2.720	111.7994	105.8370	102.1885	100.3973	99.5499	98.8646	98.1965	97.5384
1/14/2008	1/16/2018	1/14/2011	3.240	116.0155	109.0097	104.0964	100.5517	97.6934	95.1363	92.7287	90.4146
1/16/2008	1/16/2013	7/16/2008	2.550	108.3588	104.2212	101.4977	100.2226	99.8820	99.6710	99.4611	99.2524
1/16/2008	1/16/2013	1/16/2009	2.690	109.0042	104.7572	101.8274	100.3168	99.5195	98.8254	98.1443	97.4732
1/16/2008	1/16/2015	1/16/2009	2.640	109.7430	104.8906	101.7940	100.2765	99.4835	98.7897	98.1088	97.4378
1/16/2008	1/16/2018	7/16/2008	2.380	109.3198	104.1389	101.2666	100.1276	99.4147	98.7176	98.0316	97.3557
1/17/2008	1/17/2018	7/17/2008	2.250	108.4192	103.5614	100.9916	100.0614	99.8317	99.6098	99.3891	99.1696
1/18/2008	1/18/2013	1/20/2009	2.550	108.3730	104.2351	101.5060	100.1708	99.4147	98.7176	98.0316	97.3557
1/18/2008	1/20/2015	7/18/2008	2.350	108.1205	103.7054	101.1378	100.1048	99.8317	99.6098	99.3891	99.1696
1/18/2008	1/18/2018	7/18/2008	2.290	108.7011	103.7427	101.0755	100.0797	99.8317	99.6098	99.3891	99.1696
1/24/2008	1/24/2012	7/24/2009	2.440	107.1870	103.6651	101.2306	99.7675	98.5629	97.3995	96.2585	95.1386
1/24/2008	1/24/2013	1/25/2010	2.500	108.1853	104.0899	101.3159	99.4050	97.7299	96.1149	94.5364	92.9920
1/25/2008	1/25/2013	1/26/2009	2.250	106.9141	102.4003	100.6592	99.9072	99.1826	98.4685	97.7650	97.0717
1/25/2008	1/25/2013	1/25/2011	2.650	108.8322	104.5126	101.2756	98.5518	96.0016	93.5461	91.1686	88.8643
1/28/2008	1/28/2010	1/28/2009	2.630	104.6499	103.0408	101.3360	100.2141	99.4606	98.7372	98.0247	97.3225
1/28/2008	1/28/2013	1/28/2011	2.990	110.4665	105.9203	102.3779	99.5079	96.9056	94.4235	92.0258	89.7034
1/30/2008	1/30/2013	2/1/2010	2.670	109.0153	104.7796	101.7583	99.6680	97.8840	96.1813	94.5212	92.8986
2/1/2008	2/1/2018	5/1/2008	1.950	106.4126	102.3204	100.4763	99.9997	99.9970	99.9942	99.9914	99.9886
2/7/2008	2/7/2013	2/8/2010	2.490	108.0783	103.9559	101.2148	99.2985	97.6009	95.9621	94.3609	92.7949
2/7/2008	2/7/2018	5/7/2008	1.970	106.5662	102.4205	100.5158	99.9985	99.9791	99.9597	99.9403	99.9209
2/8/2008	2/8/2011	5/8/2008	1.990	104.7839	102.1092	100.5023	99.9988	99.9765	99.9544	99.9322	99.9101
2/8/2008	2/8/2013	8/8/2008	1.990	105.8257	102.2960	100.5177	99.9528	99.6776	99.4055	99.1353	98.8669
2/13/2008	2/13/2013	2/14/2011	2.920	110.1370	105.6705	102.1467	99.2371	96.5991	94.0893	91.6687	89.3257
2/14/2008	2/14/2018	2/14/2012	3.190	115.0258	107.9555	103.0153	99.0602	95.5188	92.2028	89.0439	86.0196
2/15/2008	2/16/2010	2/17/2009	2.350	104.2743	102.5415	100.9063	99.9565	99.1813	98.4211	97.6733	96.9374
2/19/2008	2/19/2013	2/19/2010	2.590	108.5487	104.0788	101.3518	99.4773	97.7603	96.0911	94.4593	92.8636
2/22/2008	2/22/2011	2/23/2009	2.500	106.3150	103.4553	101.1269	100.0857	99.2925	98.5158	97.7518	96.9999
2/25/2008	2/25/2013	2/25/2011	3.090	111.0176	106.3721	102.7065	99.7339	97.0580	94.5133	92.0597	89.6849
2/25/2008	2/26/2018	2/25/2009	2.420	109.7043	104.4062	101.4032	100.0566	99.2212	98.4335	97.6593	96.8974
3/7/2008	3/8/2010	6/9/2008	1.990	103.7242	101.8737	100.4804	99.9970	99.8902	99.7856	99.6814	99.5776
3/7/2008	3/9/2015	3/7/2011	2.890	111.2339	105.9893	102.1406	99.0741	96.3431	93.7678	91.2918	88.8984
3/7/2008	3/7/2018	3/7/2013	3.550	118.6883	110.8866	104.7215	99.5404	94.9563	90.7558	86.8400	83.1498
3/10/2008	3/11/2013	3/10/2010	2.390	107.6726	103.6226	100.9512	98.9978	97.2232	95.5037	93.8245	92.1836
3/11/2008	3/11/2011	3/11/2009	2.090	105.1458	102.3752	100.6134	99.6603	98.8222	98.0004	97.1932	96.4001
3/12/2008	3/12/2013	3/12/2009	2.010	105.9489	102.3771	100.5322	99.5906	98.7505	97.9264	97.1169	96.3215
3/14/2008	3/14/2011	9/15/2008	1.990	104.8730	102.1474	100.5114	99.9253	99.5537	99.1856	98.8207	98.4588
3/14/2008	3/14/2018	3/15/2010	2.400	109.4988	104.2338	101.1265	99.0459	97.2401	95.5099	93.8230	92.1750
3/17/2008	3/18/2013	3/17/2011	2.690	109.1333	104.7729	101.3559	98.4553	95.7684	93.1956	90.7112	88.3073
3/17/2008	3/17/2015	3/17/2011	2.620	109.0795	104.3226	101.0455	98.2286	95.5697	93.0071	90.5286	88.1297
3/17/2008	3/19/2018	3/18/2013	3.300	116.6489	109.2016	103.2857	98.2619	93.7651	89.6119	85.7201	82.0457
3/25/2008	3/25/2011	3/25/2009	3.390	109.0447	106.0733	103.3522	101.2959	100.0203	99.0954	98.2419	97.4073
3/25/2008	3/27/2023	3/25/2013	3.150	117.3079	108.6678	102.4976	97.4905	93.0402	88.9146	85.0390	81.3738
3/26/2008	3/26/2018	3/26/2012	2.980	113.4131	106.7786	102.0564	98.1352	94.5589	91.1840	87.9627	84.8785
3/28/2008	3/28/2013	3/28/2011	2.800	109.6840	105.1712	101.6995	98.7766	96.0663	93.4670	90.9564	88.5275
3/28/2008	3/28/2013	3/28/2011	2.820	109.7815	105.2552	101.7653	98.8349	96.1224	93.5219	91.0106	88.5808
3/28/2008	3/28/2018	3/30/2009	2.020	107.0027	102.7124	100.6190	99.5997	98.7154	97.8489	96.9979	96.1617
3/28/2008	3/28/2018	3/28/2011	2.770	112.3979	106.2482	102.0338	98.8232	96.0192	93.3949	90.8781	88.4482
3/31/2008	3/31/2011	3/31/2009	1.990	104.9669	102.2374	100.5390	99.5701	98.6796	97.8054	96.9467	96.1030
4/14/2008	4/14/2015	4/14/2011	2.750	109.8916	104.8709	101.4204	98.5010	95.7667	93.1393	90.6015	88.1470
4/28/2008	4/28/2015	4/28/2011	3.250	113.6882	108.0027	103.6549	100.2288	97.2680	94.5323	91.9262	89.4177
4/28/2008	4/30/2018	7/28/2008	2.150	107.8876	103.2428	100.8512	100.0240	99.7598	99.5079	99.2573	99.0081
4/30/2008	4/30/2018	4/30/2013	3.740	120.3657	112.1336	105.7053	100.3616	95.6560	91.3451	87.3258	83.5391